

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/509,686  
Source: PCT  
Date Processed by STIC: 11/16/2005

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 11/16/2005

PATENT APPLICATION: US/10/509,686

TIME: 08:10:55

Input Set : A:\259880US0XPCT.txt

Output Set: N:\CRF4\11162005\J509686.raw

3 <110> APPLICANT: VIVES, ROMAIN  
 4 SATTENTAU, QUENTIN  
 5 VITA, CLAUDIO  
 6 LORTAT-JACOB, HUGUES  
 8 <120> TITLE OF INVENTION: ANTI-HIV COMPOSITION, METHOD OF PRODUCTION AND MEDICINAL  
 PRODUCT  
 10 <130> FILE REFERENCE: 259880US0XPCT  
 12 <140> CURRENT APPLICATION NUMBER: 10/509,686  
 13 <141> CURRENT FILING DATE: 2004-10-12  
 15 <150> PRIOR APPLICATION NUMBER: PCT/FR03/01234  
 16 <151> PRIOR FILING DATE: 2003-04-17  
 18 <150> PRIOR APPLICATION NUMBER: FR 02/04926  
 19 <151> PRIOR FILING DATE: 2002-04-19  
 21 <160> NUMBER OF SEQ ID NOS: 18  
 23 <170> SOFTWARE: PatentIn version 3.3  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 16  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Homo sapiens  
 30 <400> SEQUENCE: 1  
 32 Gln Ile Lys Ile Leu Gly Asn Gln Gly Ser Phe Leu Thr Lys Gly Pro  
 33 1 5 10 15  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 31  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: Scorpion  
 41 <400> SEQUENCE: 2  
 43 Ala Phe Cys Asn Leu Arg Met Cys Gln Leu Ser Cys Arg Ser Leu Gly  
 44 1 5 10 15  
 47 Leu Leu Gly Lys Cys Ile Gly Asp Lys Cys Glu Cys Val Lys His  
 48 20 25 30  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 28  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Artificial Sequence  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: Synthetic Peptide  
 59 <400> SEQUENCE: 3  
 61 Cys Asn Leu Ala Arg Cys Gln Leu Arg Cys Lys Ser Leu Gly Leu Leu  
 62 1 5 10 15  
 65 Gly Lys Cys Ala Gly Ser Phe Cys Ala Cys Gly Pro  
 66 20 25  
 69 <210> SEQ ID NO: 4  
 70 <211> LENGTH: 28

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71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
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75 <223> OTHER INFORMATION: Synthetic Peptide
78 <220> FEATURE:
79 <221> NAME/KEY: MISC_FEATURE
80 <222> LOCATION: (1)..(1)
81 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
83 <400> SEQUENCE: 4
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      90           20           25
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94 <211> LENGTH: 27
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
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99 <223> OTHER INFORMATION: Synthetic Peptide
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103 <221> NAME/KEY: MISC_FEATURE
104 <222> LOCATION: (1)..(1)
105 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
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108 <221> NAME/KEY: MOD_RES
109 <222> LOCATION: (23)..(23)
110 <223> OTHER INFORMATION: X = bi-phenylalanin or naphthylalanin
112 <400> SEQUENCE: 5
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W--> 118 Gly Lys Cys Ala Gly Ser Xaa Cys Ala Cys Val
      119           20           25
122 <210> SEQ ID NO: 6
123 <211> LENGTH: 27
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
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132 <221> NAME/KEY: MISC_FEATURE
133 <222> LOCATION: (1)..(1)
134 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
136 <400> SEQUENCE: 6
W--> 138 Xaa Asn Leu Ala Phe Cys Gln Leu Arg Cys Lys Ser Leu Gly Leu Leu
      139 1           5           10           15
      142 Gly Lys Cys Ala Gly Ser Phe Cys Ala Cys Val
      143           20           25
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 27

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Input Set : A:\259880US0XPCT.txt

Output Set: N:\CRF4\11162005\J509686.raw

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148 <212> TYPE: PRT
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152 <223> OTHER INFORMATION: Synthetic Peptide
155 <220> FEATURE:
156 <221> NAME/KEY: MISC_FEATURE
157 <222> LOCATION: (1)..(1)
158 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
160 <400> SEQUENCE: 7
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163 1 5 10 15
166 Gly Lys Cys Ala Ser Ser Phe Cys Ala Cys Val
167 20 25
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171 <211> LENGTH: 27
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
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176 <223> OTHER INFORMATION: Synthetic Peptide
179 <220> FEATURE:
180 <221> NAME/KEY: MISC_FEATURE
181 <222> LOCATION: (1)..(1)
182 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
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W--> 186 Xaa Asn Leu Ala Phe Cys Gln Leu Arg Cys Lys Ser Leu Gly Leu Leu
187 1 5 10 15
190 Gly Lys Cys Ala Gly His Phe Cys Ala Cys Val
191 20 25
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196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
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203 <220> FEATURE:
204 <221> NAME/KEY: MISC_FEATURE
205 <222> LOCATION: (1)..(1)
206 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
208 <400> SEQUENCE: 9
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214 Gly Lys Cys Ala Gly Asn Phe Cys Ala Cys Val
215 20 25
218 <210> SEQ ID NO: 10
219 <211> LENGTH: 27
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Synthetic Peptide

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227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (1)..(1)
230 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
232 <220> FEATURE:
233 <221> NAME/KEY: MOD_RES
234 <222> LOCATION: (23)..(23)
235 <223> OTHER INFORMATION: X = bi-phenylalanin or naphtylalanin
237 <400> SEQUENCE: 10
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      244             20             25
247 <210> SEQ ID NO: 11
248 <211> LENGTH: 27
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Synthetic Peptide
256 <220> FEATURE:
257 <221> NAME/KEY: MISC_FEATURE
258 <222> LOCATION: (1)..(1)
259 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
261 <220> FEATURE:
262 <221> NAME/KEY: MOD_RES
263 <222> LOCATION: (23)..(23)
264 <223> OTHER INFORMATION: X = bi-phenylalanin or naphtylalanin
266 <400> SEQUENCE: 11
W--> 268 Xaa Asn Leu His Phe Cys Gln Leu Arg Cys Lys Ser Leu Gly Leu Leu
      269 1             5             10             15
W--> 272 Gly Lys Cys Gln Gly Ser Xaa Cys Thr Cys Val
      273             20             25
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278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
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285 <220> FEATURE:
286 <221> NAME/KEY: MISC_FEATURE
287 <222> LOCATION: (1)..(1)
288 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
290 <220> FEATURE:
291 <221> NAME/KEY: MOD_RES
292 <222> LOCATION: (23)..(23)
293 <223> OTHER INFORMATION: X = bi-phenylalanin or naphtylalanin
295 <400> SEQUENCE: 12
W--> 297 Xaa Asn Leu Ala Arg Cys Gln Leu Arg Cys Lys Ser Leu Gly Leu Leu
      298 1             5             10             15

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## RAW SEQUENCE LISTING

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DATE: 11/16/2005

TIME: 08:10:55

Input Set : A:\259880US0XPCT.txt

Output Set: N:\CRF4\11162005\J509686.raw

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W--> 301 Gly Lys Cys Ala Gly Ser Xaa Cys Ala Cys Val
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      306 <211> LENGTH: 27
      307 <212> TYPE: PRT
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      310 <220> FEATURE:
      311 <223> OTHER INFORMATION: Synthetic Peptide
      314 <220> FEATURE:
      315 <221> NAME/KEY: MISC_FEATURE
      316 <222> LOCATION: (1)..(1)
      317 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
      319 <220> FEATURE:
      320 <221> NAME/KEY: MOD_RES
      321 <222> LOCATION: (23)..(23)
      322 <223> OTHER INFORMATION: X = bi-phenylalanin or naphtylalanin
      324 <400> SEQUENCE: 13
W--> 326 Xaa Asn Leu His Phe Cys Gln Leu Arg Cys Lys Ser Leu Gly Leu Leu
      327 1          5          10          15
W--> 330 Gly Lys Cys Ala Gly Ser Xaa Cys Ala Cys Val
      331          20          25
      334 <210> SEQ ID NO: 14
      335 <211> LENGTH: 27
      336 <212> TYPE: PRT
      337 <213> ORGANISM: Artificial Sequence
      339 <220> FEATURE:
      340 <223> OTHER INFORMATION: Synthetic Peptide
      343 <220> FEATURE:
      344 <221> NAME/KEY: MISC_FEATURE
      345 <222> LOCATION: (1)..(1)
      346 <223> OTHER INFORMATION: X = Cys or thiopropionic acid
      348 <220> FEATURE:
      349 <221> NAME/KEY: misc_feature
      350 <222> LOCATION: (21)..(21)
      351 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
      353 <220> FEATURE:
      354 <221> NAME/KEY: MOD_RES
      355 <222> LOCATION: (23)..(23)
      356 <223> OTHER INFORMATION: X = bi-phenylalanin or naphtylalanin
      358 <400> SEQUENCE: 14
W--> 360 Xaa Asn Leu His Phe Cys Gln Leu Arg Cys Lys Ser Leu Gly Leu Leu
      361 1          5          10          15
W--> 364 Gly Lys Cys Ala Xaa Ser Xaa Cys Ala Cys Ile
      365          20          25
      368 <210> SEQ ID NO: 15
      369 <211> LENGTH: 27
      370 <212> TYPE: PRT
      371 <213> ORGANISM: Artificial Sequence
      373 <220> FEATURE:

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**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/509,686**

DATE: 11/16/2005  
TIME: 08:10:56

Input Set : A:\259880US0XPCT.txt  
Output Set: N:\CRF4\11162005\J509686.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 1  
Seq#:5; Xaa Pos. 1,23  
Seq#:6; Xaa Pos. 1  
Seq#:7; Xaa Pos. 1  
Seq#:8; Xaa Pos. 1  
Seq#:9; Xaa Pos. 1  
Seq#:10; Xaa Pos. 1,23  
Seq#:11; Xaa Pos. 1,23  
Seq#:12; Xaa Pos. 1,23  
Seq#:13; Xaa Pos. 1,23  
Seq#:14; Xaa Pos. 1,21,23  
Seq#:15; Xaa Pos. 1  
Seq#:16; Xaa Pos. 1

## VERIFICATION SUMMARY

DATE: 11/16/2005

PATENT APPLICATION: US/10/509,686

TIME: 08:10:56

Input Set : A:\259880US0XPCT.txt

Output Set: N:\CRF4\11162005\J509686.raw

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16  
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16  
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16  
L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:16  
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:16  
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:16  
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0